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LENINGRAD, ONEGA ENTERPRISES CONTRIBUTE NEW PAPER, TIMBER MACHINES

PERPETUAL-MOTION MACHINE PRODUCES FINE FIBER -- Leningradskaya Pravda, No 77, 31 Mar 50

The Leningrad Plant imeni Vtoroy Pyatiletki, restored after the war, is operating successfully. Although formerly it produced only spare parts and the simplest units for papermaking machines, it now turns out 12-roll calenders and other complex units. Currently, the plant's designers are working on a perpetual motion machine for making fine fiber. The production of this machine will mean a great step forward in the paper industry.

The plant has fulfilled its pre-election pledges. In 2 months it turned over to the state more than 400,000 rubles' profit.

The machine shop has been particularly resourceful. Having received an order for parts for a condenser-paper-making machine, the shop adopted a new technique of machining the apertures in the rolled-surface bearings. Instead of using the boring machines, which were inadequate in number, the shop carried out separate operations on ordinary turning lathes.

DESIGNS NEW CUTTING MACHINE -- Izvestiya, No 75, 29 Mar 50

A new and original machine for cutting underbrush in felling areas has been designed by a group of scientists at the Leningrad Forestry Engineering Academy imeni S. M. Kirov. It is driven by a high-frequency electric motor.

TRUCK OPERATES EASILY IN WINTER -- Leninskoye Znamya, No 73, 11 Apr 50

The Leningrad Forestry Engineering Academy imeni S. M. Kirov, and Giprolestrans (State Institute for the Planning of Timber Transport) have completed testing of their new semicaterpillar timber-hauling truck.

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The machine has undergone lengthy experimentation under difficult winter conditions. Its average speed is 18 kilometers per hour unloaded and 8½ kilometers per hour with a load volume of 12 cubic meters. It has been recommended for series production.

INVENTS HIGH-DUTY CHAIN-MAKING MACHINE -- Trud, No 78, 1 Apr 50

In 1948, P. Fadin, a fitter who services electric saws and chopping, timber-skidding, and trimming machines at the Leningrad Plant imeni Kirov, built an automatic machine for the production of chains for timber-floating operations. Later, he improved it by constructing another model which mechanizes the operation of unwinding and cutting the wire. As a result, production was increased 20 times.

Fadin's machine was tried successfully at the Lenles Transit and Floating Office, all of whose shops were subsequently transferred to the production of this type of machine. Following this, production in Lenles underwent a revolution. -- Golubev, Lenles Transit and Floating Office

COMPLETES FIVE-YEAR PLAN -- Leninskoye Znamya, No 220, 6 Nov 50

The Onega Machine-Building Plant has completed its Five-Year Plan. It has turned out a number of complex machines for the timber industry.

PRODUCES SKIDDING WINCH -- Pravda, No 278, 26 Nov 49

The Onega Machine-Building Plant has begun mass production of the high-duty TL-3 skidding winch, designed by the chief engineer, A. N. Bryzgalov. The winch is equipped with an internal combustion motor and can skid 40-50 cubic meters of timber per shift on 10-12 liters of fuel. This represents 1½ times the capacity of KT-12 tractor.

The winch is mounted on a sled. To move it from place to place, the drum cable is hooked to a tree stump; the motor winds the cable on the drum, causing the machine to be pulled over to the stump.

MAKES THREE TYPES OF NEW HAULING ENGINES -- Leninskoye Znamya, No 1, 1 Jan 50

In 1949, the Onega Machine-Building Plant put out the following new equipment for the timber industry: three types of hauling engines -- narrow gage, broad gage, and light; winches; and chains for timber hauling. Annual production exceeded the plan by one million rubles.

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